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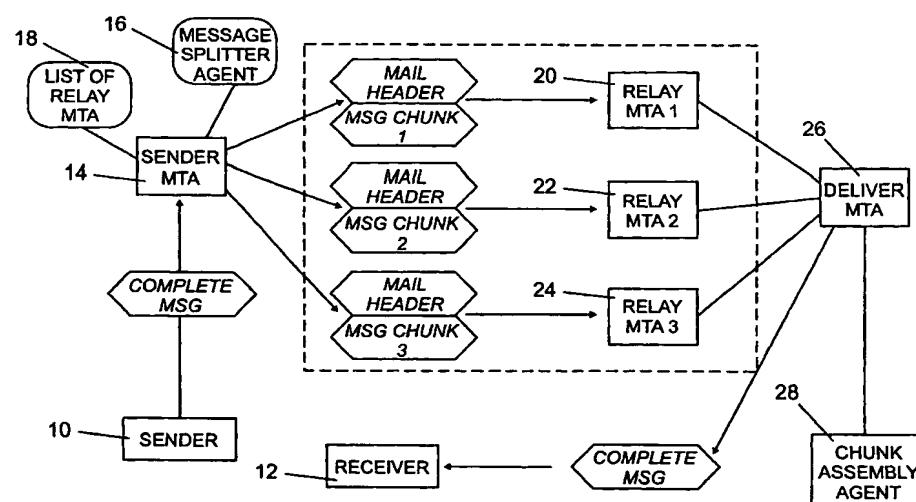
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(54) Title: SYSTEM FOR ENHANCING THE TRANSMISSION SECURITY OF THE E-MAILS IN THE INTERNET NETWORK



(57) Abstract: System for enhancing the security of the e-mails transmitted from a sender (10) to a receiver (12) over a data transmission network such as Internet wherein a Message Transfer Agent (MTA) (14) associated with the sender is in charge of transmitting over the network an original e-mail sent by the sender. The MTA associated with the sender includes a message splitting means (16) adapted to divide the original e-mail into a plurality of chunks according to a predetermined algorithm and a predetermined list of relay MTAs (20, 22, 24) to which are forwarded the plurality of chunks. The system comprises a chunk assembly agent (28) for receiving from the relay MTAs the plurality of chunks and re-assembling them by using the predetermined algorithm in order to re-build the e-mail before sending it to the receiver.

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